

## STIC Biotechnology Systems Branch

### RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/591,843  
Source: IFWP  
Date Processed by STIC: 9/15/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/591,843

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos    The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length    The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering    The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4      Non-ASCII    The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5      Variable Length    Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"    A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7      Skipped Sequences  
    (OLD RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
                           (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                           (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                           (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                           This sequence is intentionally skipped  
                           Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)    Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
                           <210> sequence id number  
                           <400> sequence id number  
                           000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)    Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                           Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                           In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10      Invalid <213>  
    Response    Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
  
- 11      Use of <220>    Sequence(s)      missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
  
- 12      PatentIn 2.0  
    "bug"    Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13      Misuse of n/Xaa    "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/591,843

DATE: 09/15/2006

TIME: 09:12:35

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\09152006\J591843.raw

3 <110> APPLICANT: KURUME UNIVERSITY  
 5 <120> TITLE OF INVENTION: spc-sig-IL-18  
 7 <130> FILE REFERENCE: P04AC002  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/591,843  
 C--> 9 <141> CURRENT FILING DATE: 2006-09-05  
 9 <160> NUMBER OF SEQ ID NOS: 2  
 11 <170> SOFTWARE: PatentIn version 3.2  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 546  
 15 <212> TYPE: DNA  
 16 <213> ORGANISM: Artificial  
 19 <220> FEATURE:  
 20 <221> NAME/KEY: CDS  
 21 <222> LOCATION: (70)..(540)  
 23 <220> FEATURE:  
 24 <223> OTHER INFORMATION: Inventor: Hoshino, Tomoaki  
 26 <400> SEQUENCE: 1

27 ggaacaatgg agacagacac actcctgcta tgggtactgc tgctctgggt tccaggttcc 60  
 29 actggtgac aac ttt ggc cga ctt cac tgt aca acc gca gta ata cgg aat 111  
 30 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn  
 31 1 5 10  
 33 ata aat gac caa gtt ctc ttc gtt gac aaa aga cag cct gtg ttc gag 159  
 34 Ile Asn Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu  
 35 15 20 25 30  
 37 gat atg act gat att gat caa agt gcc agt gaa ccc cag acc aga ctg 207  
 38 Asp Met Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu  
 39 35 40 45  
 41 ata ata tac atg tac aaa gac agt gaa gta aga gga ctg gct gtg acc 255  
 42 Ile Ile Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr  
 43 50 55 60  
 45 ctc tct gtg aag gat agt aaa atg tct acc ctc tcc tgt aag aac aag 303  
 46 Leu Ser Val Lys Asp Ser Lys Met Ser Thr Leu Ser Cys Lys Asn Lys  
 47 65 70 75  
 49 atc att tcc ttt gag gaa atg gat cca cct gaa aat att gat gat ata 351  
 50 Ile Ile Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile  
 51 80 85 90  
 53 caa agt gat ctc ata ttc ttt cag aaa cgt gtt cca gga cac aac aag 399  
 54 Gln Ser Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys  
 55 95 100 105 110  
 57 atg gag ttt gaa tct tca ctg tat gaa gga cac ttt ctt gct tgc caa 447  
 58 Met Glu Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln  
 59 115 120 125  
 61 aag gaa gat gat gct ttc aaa ctc att ctg aaa aaa aag gat gaa aat 495

? Title of invention on official U.S. application is:

"Protease Inhibitor and Preventives or Remedies for Diseases"

Does Not Comply  
Corrected Diskette Needed

needs explanation  
in (2207-2237 section)

(see item 11 on  
Error  
summary sheet)

this does  
not explain

Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/591,843

TIME: 09:12:35

Input Set : A:\sequence\_listing.txt

Output Set: N:\CRF4\09152006\J591843.raw

```

62 Lys Glu Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn
63          130          135          140
65 ggg gat aaa tct gta atg ttc act ctc act aac tta cat caa agt      540
66 Gly Asp Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
67          145          150          155
69 taggtg      546
72 <210> SEQ ID NO: 2
73 <211> LENGTH: 157
74 <212> TYPE: PRT
75 <213> ORGANISM: Mouse
77 <400> SEQUENCE: 2
79 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
80 1          5          10          15
83 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
84          20          25          30
87 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
88          35          40          45
91 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
92          50          55          60
95 Val Lys Asp Ser Lys Met Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
96 65          70          75          80
99 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
100          85          90          95
103 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
104          100          105          110
107 Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
108          115          120          125
111 Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
112          130          135          140
115 Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
116 145          150          155

```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/591,843

DATE: 09/15/2006

TIME: 09:12:36

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\09152006\J591843.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date